Front cover photographs show (left to right) guests at the Institution Dinner at Coombe Abbey, Warwickshire; civil engineering students from Shanghai’s Tongji University visiting China Harbour Engineering Company with ICES Hong Kong; CEO Bill Pryke speaking at a Dubai Association Centre seminar on the growth of professional bodies overseas.

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Foreword

Looking through this annual report, it is easy to understand why ICES is going from strength to strength. It is not just our increasing worldwide influence; vibrant UK regional setup; and the hard work of our staff and so many volunteers from amongst the membership – it is the recognition that we are doing the right things. This is demonstrated perfectly in the growth of approved development schemes – we now have just under 60. We are seeing increasing numbers of affiliate members joining us as they work their way through to the examined grades of member and technical member, where we are again seeing rises in numbers. This pipeline ensures we are in tune with our royal charter to improve competence and professionalism in civil engineering surveying, and shows we are focusing our resources where they will have the most effect.

As well as the achievements you will read about here, I can update you on some current developments. We have had recognition from the Engineering Council, which has signalled that we are ready to commence our application for licensed membership. Recognition from the Institution of Civil Engineers and the Royal Institution of Chartered Surveyors, who are both ready to review and renew our memoranda of understanding in 2018, again acknowledging our pre-eminence in civil engineering surveying. And, more recently, recognition from Professor John Uff QC, the man commissioned by three senior professional bodies to consider the future of engineering institutions. Professor Uff’s review asked some soul searching questions about the future of the engineering profession and the bodies that support it, and yet following a personal meeting with him, both CEO Bill Pryke and myself were encouraged by his comments that we are doing exactly what professional bodies were set up to do.

All this is praise indeed, however we should never forget what has made us into such a dynamic organisation. We have moved from a start, almost 49 years ago, by a few founder members to a chartered institution that represents its membership of around 5,000. This has been achieved through friendship; through shared learning and shared values; through a desire to do the right things in the right ways and to never compromise our beliefs. This unique culture is at the very heart of ICES, and to maintain it we are currently establishing our 2040 Forum. This will be a group of dedicated young members who will provide input to all core and regional committees, to aid decision making and strategy setting so that ICES is prepared for the next 20+ years. These members will move into important roles in the future, bringing with them that culture understood from their successful relationships with our current custodians.

What exciting times. As a chartered engineer, all I need to do is to apply liberal amounts of lubricant to keep those wheels turning. Thank you for all your hard work, it is an honour to serve as your president.

Ian Cowling CEng FCInstCES, President
Members and society

We welcomed more chartered engineers under the ICES route, taking the total to 11.

We carried out a review of membership grades to ensure those successfully completing relevant apprenticeships will be eligible to receive a professional qualification – associate membership of ICES.

We worked with the Construction Skills Certification Scheme (CSCS) to ensure members were briefed and prepared for changes to the requirements for site entry.

Our annual region chairs meeting was held in London to exchange best practice and address common issues for our regional committees.

WSP’s Neil Armstrong was awarded our biennial Commercial Management Prize for his collaborative work with Highways England.

Our social networks grew to 3,754 members on LinkedIn; 3,049 likes on Facebook; and 2,373 followers on Twitter.

Examiner training sessions were held in Manchester, Glasgow, London, Hong Kong, Macau, Dubai and Doha, gaining 106 new examiners. Our total number of examiners now sits at 399.

We welcomed 30 attendees at 15 membership surgeries for one-to-one advice, and carried out 15 membership workshops for civil engineering surveying companies.

We were again co-organisers of the GEO Business conference and exhibition that attracted 2,386 visitors from 52 countries.

We continued to promote return to work schemes through the Women Returners organisation.

Eric Zeeven received the President’s Medal for his outstanding service to the institution over 15 years.

We held 26 committee meetings and 78 regional events, including the annual Cambridge Lecture with the Chartered Institute of Arbitrators which attracted 148 delegates; geocaching around Greenwich; autonomous drones; the A14 upgrade; digital collaboration; and a networking event on the Thames.
Innovation and learning

We launched new specialist membership competencies for planning.

We continued to be represented on the steering groups for the trailblazer apprenticeships for project control technician; geospatial survey technician; and geospatial mapping and science specialist.

We accredited new academic courses at Poland’s AGH University of Science and Technology, and professional courses from BK SURCO. This takes the total number of accreditations to 105 across 41 institutions.

New approved development schemes were welcomed at eight companies, and a further two were re-accredited, taking the total number of companies with ADS to 59.

Articles in Civil Engineering Surveyor featured the Dream Big IMAX film; Constructionarium; measuring world record attempts; NEC4; monitoring Dover Sea Wall; management of risk; Ocean Cleanup; and the 135 Geographic Squadron.

We featured interviews with contract and construction law specialist Rudi Klein; geospatial apprenticeship manager Christina Hirst; CSCS operations director Gordon Jenkins; what3words founder Chris Sheldrick; and UK BIM Alliance chair Anne Kemp.

The inaugural ICES Publishing Prize was awarded to EAME’s David Wells and Simmonds and Simmonds’ Rob Horne for their outstanding writing.

We worked with Balfour Beatty on its staff development programme mapped to our competencies.

We increased our links with Network Rail, working with its commercial managers to share knowledge and improve continuing professional development.

Our partnership with Driver Trett continued to provide training specifically mapped to our commercial management competency requirements.

We began the process of finding a training partner to cover geospatial specialisms.

We ran a national Commercial Management Conference attracting 120 delegates and began planning the 2018 conference.

We began our involvement with the National College for High Speed Rail.

We hosted 14 days of training workshops in our specialist suite.
Finance and responsibility

Our consolidated accounts for the last financial year showed ICES and SURCO had a surplus of £147,000. This was our sixth year of returning healthy accounts, whilst delivering a high standard of membership services.

We released security guidance to all members to ensure they are aware of their professional responsibilities in safeguarding infrastructure data.

We submitted a response to both the Independent Review of Building Regulations and Fire Safety, and Construction Industry Council with survey recommendations following the Grenfell Tower fire disaster.

We promoted and supported national initiatives to raise awareness of construction careers, including Class of Your Own for schoolchildren and BuildForce for former military personnel.

We sponsored 13 student awards at the universities of the West of England, Salford, Plymouth, East London and Nottingham, and at Camborne School of Mines, the Survey School and Royal School of Military Engineering.

Our publications continued to be freely available online via our app and our newly updated and optimised portal. This year we attracted 12,234 individual visitors from 163 countries to our dedicated online publications portal and welcomed 1,916 registered users of the app.

We continued to be represented on the Construction Industry Council’s Health and Safety Panel.

Our support and promotion of the uptake of building information modelling and digital engineering continued. We are members of the UK BIM Alliance and Survey4BIM, and published Survey4BIM’s accuracy paper. We also commented on the draft ISO19650 international standard for building information modelling.

We promoted the work of the Standing Committee on Structural Safety.

We supported the publication of the Construction Industry Council’s Users’ Guide to Adjudication.

As a coalition partner of the Conflict Avoidance Pledge, we encouraged members and companies to sign up to the pledge.

We promoted and signed up to the Construction Industry Council’s Disability Confident scheme.

We supported Ennerdale and Kinniside Primary School in its quest to find funding to take part in an international Lego competition.

Over £1,100 for the Lighthouse Club benevolent charity was raised at our annual dinner.
Institution affairs and collaboration

We became licensed in the UAE, with an office in the World Trade Centre in Dubai.

We conducted presidential visits to Dubai, Muscat, Doha, Kuala Lumpur, Hong Kong, China, and Macau.

New memoranda of understanding were signed with the Master Builders Association Malaysia and the Zhejiang Society for Surveying, Mapping and Geoinformation. This takes the total number of collaborative agreements to 25.

We were a supporting partner and media partner for numerous conferences and exhibitions including Salford University BIM Conference; Digital Construction Week; FIDIC International Users’ Conference; HxGN Live; Oceanology International; Year in Infrastructure; Smart Contracts in Construction; Marine & Coastal Civil Engineering; Building Intelligence Hong Kong; and three GeoDATA exhibitions across Europe.

We commissioned the development of a new website and database.

We held a successful Institution Dinner at Coombe Abbey in Warwickshire, attracting over 270 members and guests.

We continued to work with the Survey Liaison Group on guidance papers and events. We led and published the group’s guidance paper on monitoring.

We continued to work with the Institution of Civil Engineers through the joint Management Panel and Geospatial Engineering Panel.

We continued to be represented on the Joint Contracts Tribunal and Infrastructure Conditions of Contract user groups; the Construction Industry Council’s Adjudication and Liability Panels; and Institution of Civil Engineers’ Dispute Resolution Panel.

As members of the steering committee, we supported the launch of the International Construction Measurement Standard.

We attended the International Federation of Surveyors’ (FIG) working week in Helsinki.

Our membership and sharing of information with the International Cost Engineering Council continued.
ICES in numbers

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<tr>
<th>Category</th>
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All figures correct as of 31 December 2017. Age and gender data where given by members.